Abstract

This invention relates to a magnetic displacement measurement device, which comprises a ruler body and a vernier, wherein a magnetic main ruler is fixed on the ruler body, and a secondary ruler is fixed on the vernier; the secondary ruler comprises a magnetic sensor and a measurement circuit thereon; said magnetic sensor is composed of magnetoresistances; said measurement circuit comprises at least two measurement bridges composed of magnetoresistances; the movement distance of the vernier is displayed on the display screen of the device after being detected by the magnetic sensor and being processed by the measurement circuit. The magnetic displacement measurement device provided by the invention not only can normally work in the wet and oil polluted environment, but also has the advantages of simple structure, convenient manufacture, low price, low power consumption and high precision.